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# Plant Variety Protection Office Official Journal

Volume 28, Number 1  
January 1 - March 31, 2000



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## PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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APPLICATIONS RECEIVED  
JANUARY 1, 2000 TO MARCH 31, 2000

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For "PVPA 1994.""

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
<b>BARLEY</b>				
200000156	Valier	(3)	02/15/2000	Montana Agricultural Experiment Station
200000168	Brigham	(3)	02/25/2000	Utah State University
200000169	Millennium	(3)	02/25/2000	Utah State University
200000179	Xena		03/08/2000	Western Plant Breeders, Inc.
<b>BEAN, FIELD</b>				
200000128	Montrose	(3)	01/27/2000	Colorado State University
200000184	<ROG912>		03/20/2000	Novartis Seeds, Inc.
200000185	<ROG922>		03/20/2000	Novartis Seeds, Inc.
200000187	UI 259	(3)	03/22/2000	University of Idaho
200000188	UI 320	(3)	03/22/2000	University of Idaho
200000189	UI 465	(3)	03/22/2000	University of Idaho
<b>BEAN, GARDEN</b>				
200000130	Fury		01/28/2000	Seminis Vegetable Seeds, Inc.
200000133	Hurricane		01/28/2000	Seminis Vegetable Seeds, Inc.
<b>BLUEGRASS, KENTUCKY</b>				
200000147	<B3-180>		01/24/2000	Pure-Seed Testing, Inc.
200000170	Serene		02/28/2000	Pure-Seed Testing, Inc.
<b>CORN, FIELD</b>				
200000121	LH287		01/07/2000	Holden's Foundation Seeds, L.L.C.
200000122	LH244		01/07/2000	Holden's Foundation Seeds, L.L.C.
200000123	LH245		01/07/2000	Holden's Foundation Seeds, L.L.C.

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< > Identifies temporary designations.

APPLICATIONS RECEIVED  
JANUARY 1, 2000 TO MARCH 31, 2000

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
<b>CORN, FIELD (continued)</b>				
200000124	LH279		01/07/2000	Holden's Foundation Seeds, L.L.C.
200000125	LH293		01/07/2000	Holden's Foundation Seeds, L.L.C.
200000161	ZS4199		02/11/2000	Advanta USA, Inc.
200000162	ZS2199		02/11/2000	Advanta USA, Inc.
200000163	ZS3699		02/11/2000	Advanta USA, Inc.
200000197	PH5CT		03/27/2000	Pioneer Hi-Bred International, Inc.
200000198	PH5D6		03/27/2000	Pioneer Hi-Bred International, Inc.
<b>COTTON</b>				
200000149	GA 161		02/04/2000	University of Georgia Research Foundation, Inc.
200000157	DG-256		02/08/2000	Novartis Seeds, Inc.
200000167	PSC 355		02/22/2000	Phytogen Seed Company, L.L.C.
200000175	GC-120		03/08/2000	Pioneer Hi-Bred International, Inc.
200000176	GC-204		03/08/2000	Pioneer Hi-Bred International, Inc.
200000177	GC-271		03/08/2000	Pioneer Hi-Bred International, Inc.
200000178	GC-251		03/08/2000	Pioneer Hi-Bred International, Inc.
200000181	Acala 1517-99		03/09/2000	New Mexico State University Agricultural Experiment Station
200000192	DP 6207 Acala		03/28/2000	O & A Enterprises, Inc.
200000213	PM 1218 BG/RR		03/07/2000	Louisiana Agricultural Experiment Station
<b>COMPEA</b>				
200000183	California Blackeye No. 27	(2)	03/10/2000	The Regents of the University of California
<b>FESCUE, HARD</b>				
200000195	Minotaur		03/20/2000	Turf Merchants, Inc.

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APPLICATIONS RECEIVED  
JANUARY 1, 2000 TO MARCH 31, 2000

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
FESCUE, TALL				
200000164	<ZPS-5LZ>		02/16/2000	Pure-Seed Testing, Inc.
200000200	Finesse		03/20/2000	Turf Merchants, Inc.
200000201	Dominion		03/23/2000	Pure-Seed Testing, Inc.
LETTUCE				
200000129	Tarragona		01/27/2000	Seminis Vegetable Seeds, Inc.
200000142	Eruption		02/07/2000	ENZA ZADEN De Enkhuizer Zaadhandel BV
200000143	Crissy		02/07/2000	ENZA ZADEN De Enkhuizer Zaadhandel BV
200000173	Blackjack		03/02/2000	Pybas Vegetable Seed Co., Inc.
OAT				
200000166	LA604		02/23/2000	Louisiana Agricultural Experiment Station
PEA				
200000131	<XP 8500577>		01/28/2000	Seminis Vegetable Seeds, Inc.
200000132	Volare		01/28/2000	Seminis Vegetable Seeds, Inc.
200000137	Tammany		01/31/2000	Pure Line Seeds, Inc.
200000139	Cello		01/31/2000	Agro Seed Research bv ba
PEA, FIELD				
200000186	Scuba	(3)	03/17/2000	Advanta Seeds, UK, Ltd.
PEANUT				
200000182	C-99R	(3)	03/13/2000	Florida Agricultural Experiment Station
PEPPER				
200000140	Medusa		01/21/2000	Marlin Edwards

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APPLICATIONS RECEIVED  
JANUARY 1, 2000 TO MARCH 31, 2000

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
RYEGRASS (LOLIUM X HYBRIDUM)				
200000174	Transist		03/06/2000	Pickseed West, Inc.
RYEGRASS, PERENNIAL				
200000116	Jet		01/04/2000	Pennington Seeds, Inc.
SAFFLOWER				
200000160	Montola 2003	(*)	02/15/2000	Research and Development Institute, Inc.
SOYBEAN				
200000117	92B62		01/10/2000	Pioneer Hi-Bred International, Inc.
200000118	92B37		01/10/2000	Pioneer Hi-Bred International, Inc.
200000119	92B56		01/10/2000	Pioneer Hi-Bred International, Inc.
200000120	92B75		01/10/2000	Pioneer Hi-Bred International, Inc.
200000127	Kottman		01/19/2000	Ohio Agricultural Research and Development Center
200000145	MN1801	(3)	02/07/2000	Minnesota Agricultural Experiment Station
200000146	MN0901	(3)	02/07/2000	Minnesota Agricultural Experiment Station
200000150	93B66		02/07/2000	Pioneer Hi-Bred International, Inc.
200000151	92B63		02/07/2000	Pioneer Hi-Bred International, Inc.
200000152	90B73		02/07/2000	Pioneer Hi-Bred International, Inc.
200000153	90A07		02/07/2000	Pioneer Hi-Bred International, Inc.
200000171	Turner		02/22/2000	South Dakota Agricultural Experiment Station
SQUASH				
200000172	<NY97-389>		02/17/2000	Cornell University Experiment Station and Molly K. Jahn
TOBACCO				
200000115	RGH51	(1)	01/03/2000	F.W. Rickard Seeds, Inc.

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APPLICATIONS RECEIVED  
JANUARY 1, 2000 TO MARCH 31, 2000

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
WHEAT, COMMON				
200000138	MTHW9420	(3)	02/01/2000	Research and Development Institute, Inc.
200000141	89482E7	(2)	02/02/2000	University of Georgia Research Foundation, Inc. (UGARF) and Florida Agricultural Experiment Station (FAES)
200000144	Scholar		02/07/2000	Montana Agricultural Experiment Station
200000148	Roane	(2)	02/07/2000	Virginia Tech Intellectual Properties, Inc.
200000154	Hayne	(3)	02/16/2000	Kansas Agricultural Experiment Station
200000155	Betty	(3)	02/16/2000	Kansas Agricultural Experiment Station
200000158	Ember		02/15/2000	South Dakota Agricultural Experiment Station
200000159	McVey	(3)	02/15/2000	Minnesota Agricultural Experiment Station
200000165	566W		02/22/2000	FFR Cooperative
200000180	Pristine		03/09/2000	Western Plant Breeders, Inc.
200000190	Scarlet	(*)	03/24/2000	Washington State University
200000191	Hank		03/14/2000	Western Plant Breeders, Inc.
200000211	Reeder	(*)	03/30/2000	North Dakota State University Research Foundation
200000212	Parshall	(*)	03/30/2000	North Dakota State University Research Foundation

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APPLICATIONS AMENDED  
JANUARY 1, 2000 TO MARCH 31, 2000

Information concerning the varieties below has been published previously in the "Official Journal's" list of applications received. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF OWNER
COTTON				
9800166	Acala Ultima	(3)	03/20/1998	California Planting Cotton Seed Distributors
	Variety with temporary designation <CPCSD Acala C-144> named 'Acala Ultima'			
LETTUCE				
9700038	Green Day		11/22/1996	Seminis Vegetable Seeds, Inc.
	Variety with temporary designation <PSR 64289> named 'Green Day'			
9900082	BEN HUR		11/06/1998	Progeny Advanced Genetics, Inc.
	The application date was corrected from November 12, 1998, to November 6, 1998.			
PEPPER				
9600138	H78-1R		02/13/1996	Campbell Soup Company
	Name of owner changed from Pace Foods, Division of Campbell Soup Company to Campbell Soup Company, Inc.			
9600139	HM1-Y		02/13/1996	Campbell Soup Company
	Name of owner changed from Pace Foods, Division of Campbell Soup Company to Campbell Soup Company, Inc.			

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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR, INELIGIBLE  
JANUARY 1, 2000 TO MARCH 31, 2000

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPLICATION NUMBER	VARIETY
BEAN, FIELD	9600128	Moonbeam
BEAN, FIELD	9600129	Focus
CORN, FIELD	9700047	ASG05
CORN, FIELD	9700048	ASG06
CORN, FIELD	9800038	ASG09
CORN, FIELD	9800039	ASG07
FESCUE, TALL	9100193	Leprechaun
FESCUE, TALL	9400150	Finelawn Petite
LETTUCE	9500117	<SLE4107>
LETTUCE	9700009	Desertgreen
LETTUCE	9700039	<PSR 69292>
POTATO, IRISH	9600049	Novita
RAPE	9700320	Magnum
RAPE	9700321	LG 3310
RAPE	9700322	Trailblazer
RAPE	9700323	Ebony
RAPE	9700324	LG 3333
RAPE	9700325	LG 3260
RAPE	9500088	LAKESIDE LA
REED CANARYGRASS	9600069	A2704
SOYBEAN	9600070	A3134
SOYBEAN	9600072	A3834
SOYBEAN	9600220	FFR439
SOYBEAN	9600368	9243
SOYBEAN	9700335	CX255
POTATO	9500025	Allure
WHEAT, COMMON	9800082	AC Majestic
WHEAT, COMMON	9800392	McKenzie

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
BARLEY					
9700014	PROMASHONUPANA	Y	(3)	01/31/2000	Research and Development Institute, Inc.
	'Prowashonupana' is most similar to 'WestBred Waxbar'; however, 'Prowashonupana' is shorter than 'WestBred Waxbar' (range: 3-20 cm in 13 Montana trials).				
9700045	Nebula	Y		01/31/2000	Western Plant Breeders
	'Nebula' is most similar to 'Fiesta'; however, 'Nebula' has semi-smooth lemma awns, whereas the lemma awns of 'Fiesta' are rough. In addition, the glume hairs of 'Nebula' are restricted to a band, whereas the glumes of 'Fiesta' are completely covered with hair.				
BEAN, FIELD					
9600009	Shadow	Y		03/31/2000	Novartis Seeds, Inc.
	'Shadow' is most similar to 'Midnight'; however, 'Shadow' has a shorter plant height than 'Midnight'. (47 vs 62 and 46 vs 68 cm, respectively).				
9600018	Navigator	Y		03/31/2000	Novartis Seeds, Inc.
	'Navigator' is most similar to 'Mayflower'; however, 'Navigator' differs from 'Mayflower' in days to maturity (94 vs 101 days, respectively).				
9600109	Hatton	Y	(3)	01/31/2000	North Dakota State University Research Foundation. ND Agricultural Experiment Station
	'Hatton' is most similar to 'Fiesta'; however, 'Hatton' is homozygous for the <u>bc1</u> and <u>bc2</u> recessive alleles (resistant to pathogroup VII and susceptible to pathogroups V and VI of bean common mosaic virus), whereas 'Fiesta' has the <u>BC1</u> and <u>bc2.2</u> alleles (susceptible to pathogroup VII and resistant to pathogroups V and VI).				
9600251	Aspen	Y	(2)	03/31/2000	Idaho Seed Bean Company
	'Aspen' is most similar to 'Upland'; however, 'Aspen' carries the dominant <u>I</u> gene conferring resistance to temperature insensitive strains of bean common mosaic virus, whereas 'Upland' does not.				

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
BEAN, FIELD (continued)					
9600334	Cajun	Y		03/31/2000	Novartis Seeds, Inc.
Cajun' is most similar to 'NW 59'; however, 'Cajun' carries the dominant I gene conferring resistance to temperature insensitive strains of bean common mosaic virus, whereas 'NW 59' carries the recessive i gene.					
BEAN, GARDEN					
9500261	DMC 04-28	Y		02/29/2000	Del Monte Corporation
'DMC 04-28' is most similar to 'DMC 04-34'; however, 'DMC 04-28' is resistant to <u>Aphanomyces euteiches</u> (the causal organism of aphanomyces root rot), whereas 'DMC 04-34' is susceptible.					
BLUEGRASS, ANNUAL					
9600392	MN42	Y		01/31/2000	Regents of the University of Minnesota
'MN42' is most similar to 'MN117', 'MN184', 'MN208', and 'MN234'; however, the keel/lemma pubescence of 'MN42' tends to be longer and more dense than 'MN117', 'MN184', 'MN208' and 'MN234'. 'MN42' has a short day photoperiod, whereas 'MN184' is day neutral, and 'MN208' and 'MN234' have a long day photoperiod.					
9600393	MN117	Y		01/31/2000	Regents of the University of Minnesota
'MN117' is most similar to 'MN42', 'MN184', 'MN208', and 'MN234'; however, 'MN117' has a short day photoperiod, whereas 'MN184' is day neutral, and 'MN204' and 'MN234' have a long day photoperiod. 'MN117' has sparse keel/lemma pubescence, whereas the keel/lemma pubescence of 'MN42' tends to be longer and more dense.					
9600394	MN184	Y		01/31/2000	Regents of the University of Minnesota
'MN184' is most similar to 'MN42', 'MN117', 'MN208', and 'MN234'; however, 'MN184' has a day neutral photoperiod, whereas 'MN42' and 'MN117' have a short day photoperiod, and 'MN208' and 'MN234' have a long day photoperiod.					
9600395	MN208	Y		02/29/2000	Regents of the University of Minnesota
'MN208' is most similar to 'MN42', 'MN117', 'MN184', and 'MN234'; however, 'MN208' has a long day photoperiod, whereas 'MN42' and 'MN117' are short day, and 'MN184' is day neutral. 'MN208' is susceptible to Pythium, whereas 'MN234' is resistant. 'MN208' flowers in the spring under unmowed conditions, whereas 'MN234' will flower continuously with reduced flowering in the summer and fall.					

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
<b>BLUEGRASS, ANNUAL (continued)</b>					
9600396	MN234	Y		02/29/2000	Regents of the University of Minnesota
'MN234' is most similar to 'MN42', 'MN117', 'MN184', and 'MN208'; however, 'MN234' has a long day photoperiod, whereas 'MN42' and 'MN117' are short day, and 'MN184' is day neutral. 'MN234' is resistant to Pythium, whereas 'MN208' is susceptible. 'MN234' flowers continuously with reduced flowering in the summer and fall under unmowed conditions, whereas 'MN208' flowers in the spring.					
<b>CORN, FIELD</b>					
9600169	PH40B	Y		02/29/2000	Pioneer Hi-Bred International, Inc.
'PH40B' is most similar to 'PHW52'. 'PH40B' differs from 'PHW52' in plant height (224 vs 194 cm) and ear height (88 vs 69 cm).					
9900128	KW7791	Y		02/29/2000	Kleinwanzlebener Saatgut AG
'KW7791' is most similar to 'KW7691'. 'KW7791' differs from 'KW7691' in resistance to European Corn Borer, <u>Ostrinia nubilalis</u> , (9 vs 5 rating, where 9 is most resistant).					
<b>DAISY, ENGLISH</b>					
9800005	Red Galaxy	Y		02/29/2000	Sakata Seed Corporation
'Red Galaxy' is most similar to 'Pomponett Red'. 'Red Galaxy' differs from 'Pomponett Red' in maturity from transplanting to first flower (42 vs 65 days).					
9800006	Rose Galaxy	Y		02/29/2000	Sakata Seed Corporation
'Rose Galaxy' is most similar to 'Pomponett Rose'. 'Rose Galaxy' differs from 'Pomponett Rose' in maturity from transplanting to first flower (40 vs 65 days).					
9800007	White Galaxy	Y		02/29/2000	Sakata Seed Corporation
'White Galaxy' is most similar to 'Pomponett White'. 'White Galaxy' differs from 'Pomponett White' in maturity from transplanting to first flower (41 vs 69 days).					

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JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
FESCUE, RED					
9400085	Seabreeze	Y		01/31/2000	Pure-Seed Testing, Inc.
	'Seabreeze' is most similar to 'Dawson'; however, 'Seabreeze' has a 50 percent heading date 10 days earlier and a shorter plant height (75 vs 90 cm) than 'Dawson'.				
FESCUE, TALL					
9100136	Southern Cross	Y		02/29/2000	Snow Brand Seed Company, Ltd.
	'Southern Cross' is most similar to 'Fawn'; however, 'Southern Cross' has a narrow-tapering panicle shape and is awnless, whereas 'Fawn' has an oblong panicle shape and is awned.				
9100174	Vegas			01/31/2000	Pickseed West, Inc.
	'Vegas' is most similar to 'Bonanza'; however, 'Vegas' has a shorter panicle length (24 vs 28 cm) than 'Bonanza'. 'Vegas' has a nodding panicle habit, whereas 'Bonanza' has an erect panicle habit.				
9200133	Virtue	Y		01/31/2000	Pure-Seed Testing, Inc.
	'Virtue' is most similar to 'Tomahawk'; however, 'Virtue' has a 50 percent heading date 8 days later than 'Tomahawk'. 'Virtue' has pubescent panicle branches, whereas 'Tomahawk' has glabrous panicle branches.				
9300148	Pixie			01/31/2000	Simplot Turf and Horticulture
	'Pixie' is most similar to 'Rebel II'; however, 'Pixie' has a shorter seed length (5.6 vs 6.4 mm) and a more open panicle type (1.5 vs 2.0; 1-3 scale; 1=open) than 'Rebel II'.				
9300282	Camarillo			01/31/2000	Willamette Valley Plant Breeders, Inc.
	'Camarillo' is most similar to 'Bonsai'; however, 'Camarillo' has a 50 percent flowering date 10 days earlier, has a taller mature plant height (99 vs 85 cm) and a longer panicle length (21 vs 18 cm) than 'Bonsai'.				
9400101	Stargrazer			01/31/2000	FFR Cooperative
	'Stargrazer' is most similar to 'Kenhy'; however, 'Stargrazer' is more resistant to crown rust (6.7 vs 3.4; 1-9 scale; 9=most resistant) than 'Kenhy'.				

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CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
FESCUE, TALL (continued)					
9500078	Coronado	Y		01/31/2000	Pure-Seed Testing, Inc.
'Coronado' is most similar to 'Tomahawk' and 'Rebel Jr.'; 'Coronado' has a shorter mature plant height (113 vs 125 cm) and shorter internode length (23 vs 27 cm) than 'Tomahawk'; 'Coronado' has a shorter mature plant height (113 vs 127 cm) and shorter internode length (23 vs 28 cm) than 'Rebel Jr.'					
LETTUCE					
9600278	Cowboy	Y		01/31/2000	Enza Zadne De Enkhuizer Zaadhandel B.V.
'Cowboy' is most similar to 'Bronco'; however, 'Cowboy' has a darker green leaf color than 'Bronco', 143B vs 143C RHS Colour Chart, respectively.					
9600279	Wrangler	Y		01/31/2000	Enza Zadne De Enkhuizer Zaadhandel B.V.
'Wrangler' is most similar to 'Bronco' and 'Cowboy'; however, 'Wrangler' has a darker green leaf color than 'Bronco', 143A vs 143C, and 'Cowboy', 143A vs 143B, RHS Colour Chart, respectively.					
9600398	Cordoba	Y		01/31/2000	Seminis Vegetable Seeds, Inc.
'Cordoba' is most similar to 'Big Red'; however, 'Cordoba' has a brighter red leaf color than 'Big Red', 187A vs 176A RHS Colour Chart, respectively.					
9600400	Venice	Y		01/31/2000	Seminis Vegetable Seeds, Inc.
'Venice' is most similar to 'Parris Island Cos'; however, 'Venice' has a lighter green leaf color than 'Parris Island Cos', 137A vs 146A, RHS Colour Chart, respectively.					
9700036	Red Line	Y		01/31/2000	Seminis Vegetable Seeds, Inc.
'Red Line' is most similar to 'Deep Red'; however, 'Red Line' is slower to bolt than 'Deep Red', 77 vs 61 and 75 vs 63 days, respectively, as measured by a stem length of 15 cm.					
9700075	Margarita	Y		03/31/2000	Enza Zadne De Enkhuizer Zaadhandel B.V.
'Margarita' is most similar to 'Esmeralda'; however, 'Margarita' has a white seed color, whereas 'Esmeralda' has a black seed color.					

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
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CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
LUPIN					
9500098	2085			02/29/2000	Resource Seeds, Inc.
'2085' is most similar to 'Ultra'. '2085' differs from 'Ultra' in weight of 100 seeds (30 vs 39 gm)					
ORCHARDGRASS					
9400169	Haymate			02/29/2000	FFR Cooperative
'Haymate' is most similar to 'Pennlate' and 'Rancho'; however, 'Haymate' is more resistant to <u>Puccinia graminis</u> , the causal agent of stem rust, than either 'Pennlate' or 'Rancho'. Also, 'Haymate' is rated later than 'Rancho' (an average of 1 unit out of 9 in Ohio). Also, 'Haymate' has a shorter panicle length than 'Pennlate' (22-31 mm's difference in 2 years' data).					
PEA, FIELD					
9400161	Carrera		(3)	01/31/2000	Cebeco Zaden B.V.
'Carrera' is most similar to 'Montana'; however, 'Carrera' is less susceptible to lodging than 'Montana'. 4.7 vs 5.4 on a 1-9 scale with 1 being 100 percent of the plants standing upright and 9 being 100 percent of the plants lodged. Also, 'Carrera' is more resistant than 'Montana' to <u>Botrytis cinerea</u> (gray mold), 3 vs 3.5, and <u>Mycosphaerella pinodes</u> (ascochyta blight), 4.4 vs 5.3, both on a 1-9 scale with 1 being 100 percent resistant and 9 being 100 percent susceptible.					
POTATO, IRISH					
9500019	Agata	Y		03/31/2000	Svalof Weibull AB and Norddeutsche Pflanzenzucht Hans-Georg Lemke KG
'Agata' is most similar to 'Estima'; however, the tubers of 'Agata' have yellow (Royal Horticultural Society Color Chart 11B) flesh, whereas the flesh of tubers of 'Estima' is cream (RHS 160C). Also, the foliage color of 'Agata' is medium green (RHS 137B), whereas the foliage color of 'Estima' is darker green (RHS 137A).					
9600091	Rosara	Y		01/31/2000	SAKA-RAGIS Pflanzenzucht GbR
'Rosara' is most similar to 'Combi'; however, 'Rosara' has a red skin color, whereas the skin color of 'Combi' is yellow. Also, 'Rosara' has a medium to high frequency of secondary leaflets, whereas 'Combi' has a low to nonexistent frequency of secondary leaflets					

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POTATO, IRISH (continued)					
9600403	Bolesta	Y		03/31/2000	Kartoffelzucht Bohm
'Bolesta' is most similar to 'Atlantic'; however, the tuber flesh color of 'Bolesta' is yellow (RHS Colour Chart 11A), whereas the tuber flesh color of 'Atlantic' is white (RHS Colour Chart 158B). Also, the flower color of 'Bolesta' is white (RHS Colour Chart 155B), whereas the flower color of 'Atlantic' is violet (RHS Colour Chart 76B).					
9700006	FL 1833	Y		03/31/2000	Frito-Lay, Inc.
'FL 1833' is most similar to 'Snowden'; however, 'FL 1833' has a light yellow tuber flesh color, whereas 'Snowden' has a white tuber flesh color. Also, 'FL 1833' has an oval tuber shape, whereas the tuber shape of 'Snowden' is almost completely round.					
9700104	Morning Gold	Y		03/31/2000	HZPC Holland B.V.
'Morning Gold' is most similar to 'Yukon Gold'; however, 'Morning Gold' has white (RHS Colour Chart 157C) flowers, whereas the flowers of 'Yukon Gold' are light violet (RHS Colour Chart 85B). Also, the foliage color of 'Morning Gold' is dark green (RHS 137A), whereas the foliage color of 'Yukon Gold' is yellowish green (RHS 146A).					
RICE					
9700138	Drew	Y		03/31/2000	University of Arkansas Agricultural Experiment Station
'Drew' is most similar to 'Newbonnet'; however, 'Drew' is resistant to <u>Pyricularia grisea</u> ((Cooke) Sacc.) races 1C-17 and 1B-49, whereas 'Newbonnet' is susceptible to races 1C-17 and 1B-49.					
RYEGRASS, PERENNIAL					
9200212	Yorktown III	Y		01/31/2000	AgriBioTech, Inc.
'Yorktown III' is most similar to 'Prelude II'; however, 'Yorktown III' has a shorter leaf (14.6 vs 17.2 cm); a narrower leaf (3.5 vs 4.3 mm); and a lighter spike weight (0.23 vs 0.43 gm per ten spikes) than 'Prelude II'.					
9200269	Nighthawk			02/29/2000	Forbes Seed and Grain, Inc.
'Nighthawk' is most similar to 'Pinnacle'; however, 'Nighthawk' has a 50 percent heading date 6 days earlier than 'Pinnacle'.					

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RYEGRASS, PERENNIAL (continued)					
9400153	Achiever			01/31/2000	Pickseed West, Inc.
	'Achiever' is most similar to 'Pinnacle'; however, 'Achiever' has a lower percentage of plants with coleoptile anthocyanin (6 vs 22 percent) than 'Pinnacle'.				
9400253	Omni			01/31/2000	Seed Research of Oregon, Inc.
	'Omni' is most similar to 'SR 4000' and 'Pinnacle'. 'Omni' has a shorter flag leaf length (10 vs 12 cm) and a shorter spikelet length (12 vs 14 mm) than 'SR 4000'. 'Omni' has a lighter seed weight (1718 vs 2069 mg/1000 seeds) than 'Pinnacle'.				
SOYBEAN					
9500236	CF461	Y	(2)	03/31/2000	Kentucky Agricultural Experiment Station
	'CF461' is most similar to 'Pennyrile', 'KS 4694', and 'A4715'; however, 'CF461' is resistant to race 1 of Phytophthora root rot, while 'A4715' and 'Pennyrile' are susceptible to race 1 of Phytophthora root rot. 'CF461' has tawny pubescence, while 'KS 4694' has gray pubescence.				
9600053	9163	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'9163' is most similar to '9141'; however, '9163' expresses Malate Dehydrogenase band B, Mannose 6-Phosphate Isomerase band B, Phosphoglucosyltransferase band 2, and Phosphoglucose Isomerase band 1; whereas, '9141' expresses Malate Dehydrogenase band A, Mannose 6-Phosphate Isomerase band A, Phosphoglucose Isomerase band 1, and Phosphoglucose Isomerase band 2.				
9600064	9481	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'9481' is most similar to 'CX469c', 'Delsoy 4710', 'Pyramid', 'S46-44', 'S48-84', 'TN4-86', 'TN4-94', 'Avery', and 'A4715'; however, '9481' has white flowers, whereas 'CX469c', 'Delsoy 4710', 'Pyramid', 'S46-44', 'S48-84', 'TN4-86', and 'TN4-94' have purple flowers. In addition, '9481' matures 5 days earlier than 'Avery', and is five inches taller than 'A4715'.				
9600193	S08-80	Y		03/31/2000	Novartis Seeds, Inc.
	'S08-80' is most similar to 'S 07-80'; however, 'S08-80' is resistant to races 1,3 and 7 of Phytophthora root rot and has dark purple below cotyledons. 'S 07-80' is susceptible to races 1,3 and 7 of Phytophthora root rot and has a green hypocotyl color with bronze band below cotyledons.				

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<b>SOYBEAN (continued)</b>					
9600194	S18-11	Y		01/31/2000	Novartis Seeds, Inc.
	'S18-11' is most similar to 'S19-90'; however, 'S18-11' is susceptible to Races 1, 3, and 7 of Phytophthora root rot, whereas 'S19-90' has resistance to those races of that disease. Also, 'S18-11' has seeds with black hila, whereas 'S19-90' has seeds with brown hila.				
9600195	S23-06	Y		01/31/2000	Novartis Seeds, Inc.
	'S23-06' is most similar to 'S20-91'; however, 'S23-06' has seeds with yellow hila, whereas 'S20-91' has seeds with gray hila.				
9600245	A2833	Y		03/31/2000	Asgrow Seed Company
	'A2833' is most similar to 'A2396' and 'A2835'; however, 'A2833' has tawny pubescence, seeds with black hila, and the Rps1k gene for resistance to Phytophthora root rot. 'A2396' and 'A2835' have gray pubescence and seeds with imperfect black hila. Further, 'A2396' has the Rps1a gene, and 'A2835' has the Rps1c gene conferring resistance to certain races of Phytophthora.				
9600246	A3244	Y		03/31/2000	Asgrow Seed Company
	'A3244' is most similar to 'A3322' and 'A3237'; however, 'A3244' has gray pubescence and seeds with imperfect black hila. 'A3322' and 'A3237' have brown pubescence and seeds with black hila.				
9600248	A3704	Y		02/29/2000	Asgrow Seed Company
	'A3704' is most similar to 'A3237' and 'A3304'; however, 'A3704' has low seed protein peroxidase activity, whereas both 'A3237' and 'A3304' have high seed protein peroxidase activity.				
9600320	Mustang	Y	(2)	03/31/2000	The Curators of the University of Missouri
	'Mustang' is most similar to 'Delsoy 4210'; however, 'Mustang' has gray pubescence and a high seed protein peroxidase activity, whereas 'Delsoy 4210' has tawny pubescence and a low seed protein peroxidase activity.				

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<b>SOYBEAN (continued)</b>					
9600358	Benning	Y	(2)	03/31/2000	The University of Georgia Research Foundation, Inc
'Benning' is most similar to 'Haskell', 'Hagood', and 'Stonewall'; however, 'Benning' is resistant to the Peanut Root-Knot Nematode, race 3 of the Soybean Cyst Nematode, has purple flowers, tawny pubescence, and brown hila. 'Stonewall' is susceptible to the Peanut Root-Knot Nematode, has white flowers, and black hila. 'Hagood' is susceptible to the Peanut Root-Knot Nematode, has white flowers, and buff hila. 'Haskell' is susceptible to race 3 of the Soybean Cyst Nematode and has black hila.					
9600369	9306	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9306' is similar to the varieties '9273' and '9311'; however, '9306' has resistance to races 1 and 4 of Phytophthora root rot. While both '9273' and '9311' are susceptible to races 1 and 4 of Phytophthora root rot.					
9600370	9333	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9333' is most similar to '9344'; however, '9333' has dark purple hypocotyledons, whereas '9344' has light purple hypocotyledons. In addition, '9333' is 3 inches taller than '9344'.					
9600379	9671	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9671' is unique as the only maturity group VI variety with enhanced sulfonyleurea tolerance as of the PVP0 application date					
9600380	9182	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9182' is most similar to the variety 'Bell'; however, '9182' has brown pods, is resistant to Brown Stem Rot, and maintains the type 1 allele at the isozyme controlling loci AC04 (Aconitase4) and IDH2 (Isocitrate Dehydrogenase2). 'Bell' has tan pods, is susceptible to Brown Stem Rot, maintains type 3 and 2 alleles at the AC04 locus (frequencies of 80 percent and 20 percent, respectively), and the type 2 allele at the IDH2 locus.					
9600381	9322	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9322' is most similar to '9321'; however, '9322' has seeds with black hila, white flowers, brown pubescence, green hypocotyledons, and low peroxidase activity. In contrast, '9321' has seeds with brown hila, purple flowers, light tawny pubescence, dark purple hypocotyledons, and high peroxidase activity.					

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<b>SOYBEAN (continued)</b>					
9600387	9234	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9234' is most similar to the variety '9221'; however, '9234' has tawny pubescence and yellow seeds with brown hila, whereas '9221' has gray pubescence and yellow seeds with buff hila.					
9600388	9294	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
'9294' is most similar to the variety '9333'; however, '9294' is susceptible to infection by races 1-5, and 7-9 of Phytophthora root rot, whereas '9333' is resistant to races 1-5, and 7-9 of Phytophthora root rot.					
9800001	Maverick	Y	(2)	03/31/2000	The Curators of the University of Missouri
'Maverick' is most similar to 'Iroquois'; however, 'Maverick' has a dull seedcoat luster, buff hila, and resistance to races 3 and 14 of Soybean Cyst Nematode, whereas 'Iroquois' has seeds with imperfect black hila and is susceptible to races 2 and 14 of Soybean Cyst Nematode.					
9800025	Hartz HX4994 RR	Y		03/31/2000	Hartz Seed - A Unit of Monsanto
'Hartz Variety H4994 Roundup Ready' is most similar to 'Manokin'; however, 'Hartz Variety H4994 Roundup Ready' matures 2 days earlier than 'Manokin', and exhibits tolerance to "over-the-top" applications of Roundup (trademark) herbicides.					
9800048	Accomac	Y	(2)	01/31/2000	Virginia Agricultural Experiment Station
'Accomac' is most similar to 'A5939', 'RA-502', and 'S59-60'; however, 'Accomac' is susceptible to Soybean Cyst Nematode race 4, whereas 'A5939', 'RA-502', and 'S59-60' have resistance to that nematode.					
9800050	UM-3	Y	(3)	03/31/2000	Minnesota Agricultural Experiment Station
'UM-3' is most similar to 'Minnatto'; however, 'UM-3' has tawny pubescence and tan pod walls, whereas 'Minnatto' has gray pubescence and brown pod walls.					

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SOYBEAN (continued)					
9800056	91B01	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'91B01' is most similar to 'DSR-133', 'DSR-170', 'J144', and 'J145'; however, '91B01' has resistance to race 5 of Phytophthora root rot, whereas 'DSR-133', 'DSR-170', 'J144', and 'J145' are susceptible to that race of Phytophthora.				
9800057	91B91	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'91B91' is most similar to '92B01', '9204', and 'AG1901'; however, '91B91' differs from '92B01' in that it has band 1 vs band 3 for the AC04 locus in the isozyme profile. '91B91' has tolerance to labeled Roundup Ready herbicides, whereas '9204' is susceptible. '91B91' is susceptible to Phytophthora race 1, whereas 'AG1901' has resistance.				
9800059	92B21	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'92B21' is most similar to the varieties '9204'; however, '92B21' has white flowers, brown hila, tan pods, and is susceptible to race 1 of Phytophthora, whereas, '9204' has purple flowers, seeds with black hila, brown pods, and is resistant to race 1 of Phytophthora root rot.				
9800063	92B71	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'92B71' is most similar to '9254'; however, '92B71' has white flowers, seeds with brown hila, and tan pod walls. In contrast, '9254' has purple flowers, seeds with black hila, and brown pod walls.				
9800071	93B81	Y		03/31/2000	Pioneer Hi-Bred International, Inc.
	'93B81' is most similar to 'A3304', 'A3704', 'DSR-370/STS', 'DSR-350/STS', '9364', 'CX360', and 'A3200'; however, '93B81' has purple flowers, whereas 'A3304', 'A3704', 'DSR-370/STS', and 'DSR-350/STS' have white flowers. '93B81' differs from '9364' in the following isozyme: MPI - band B vs band A, respectively. '93B81' has high seed protein peroxidase activity, whereas 'CX360' has low seed protein peroxidase activity. '93B81' differs from 'A3200' in the following isozymes: MPI - band B vs band A, and PGM1 - band 1 vs band 2, respectively.				
9800076	94B81	Y		02/29/2000	Pioneer Hi-Bred International, Inc.
	'94B81' is most similar to the varieties 'A4715 and 'AG4701'; however, '94B81' has resistance to Roundup Ready Brand herbicides, whereas 'A4715' is susceptible. '94B81' has white flowers, whereas 'AG4701' has both purple and white flowers.				

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<b>SOYBEAN (continued)</b>					
9800078	95B41	Y		02/29/2000	Pioneer Hi-Bred International, Inc.
'95B41' is most similar to the variety '9584', 'A5547', and 'AG5601'; however, '95B41' has resistance to labeled Roundup Brand herbicides, whereas '9584' and 'A5547' are not resistant. '95B41' has tawny pubescence, whereas 'AG5601' has gray pubescence.					
<b>TOMATO</b>					
9900353	NC 1y	Y		02/29/2000	North Carolina Agricultural Research Service Dr. R.G. Gardner (breeder)
'NC 1y' is most similar to 'Mountain Gold'; however, 'NC 1y' is resistant to graywall, whereas 'Mountain Gold' is susceptible.					
9900354	NC 2y	Y		02/29/2000	North Carolina Agricultural Research Service Dr. R.G. Gardner (breeder)
'NC 2y' is most similar to 'Mountain Gold'; however, 'NC 2y' is resistant to graywall, whereas 'Mountain Gold' is susceptible. Also, 'NC 2y' differs from 'NC 1y' in pistal scar shape (dot vs irregular), fruit core (absent vs present), and average fruit weight (13.3 vs 10.8 oz).					
<b>WATERMELON</b>					
9500015	Quetzali	Y		03/31/2000	Novartis Seeds, Inc.
'Quetzali' is most similar to 'Mickylee'; however, 'Quetzali' has a half light green and half dark green striped rind (RHS Colour Chart 145C and 136A, respectively) pattern, whereas 'Mickylee' has a solid light green (RHS Colour Chart 145C) rind pattern. Also, 'Quetzali' has an oval fruit shape, whereas 'Mickylee' has a round fruit shape.					
9700271	Legacy	Y		03/31/2000	Willhite Seed, Inc.
'Legacy' is most similar to 'Long Crimson'; however, 'Legacy' has an average seed weight of 91-101 grams per 1,000 seeds and a mottled dark brown seed (coat) color; whereas, 'Long Crimson' has a seed weight of 45 grams per 1,000 seeds and a charcoal black seed (coat) color.					

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<b>WHEAT, COMMON</b>					
9600360	Ernie	Y	(2)	01/31/2000	The Curators of the University of Missouri
	'Ernie' is most similar to 'Clark'; however, 'Ernie' differs from 'Clark' in glume color (white vs. tan/brown, respectively). In addition, 'Ernie' has a glume beak shape of acute; whereas, the glume beak shape of 'Clark' is obtuse.				
9700026	Cuyama	Y		03/31/2000	Western Plant Breeders
	'Cuyama' is most similar to 'Express'; however, 'Cuyama' has yellow-green plant color, whereas the plant color of 'Express' is blue-green. In addition, the glume shoulder shape of 'Cuyama' is square, whereas the glume shoulders of 'Express' are oblique in shape.				
9700399	Morgan	Y		01/31/2000	Western Plant Breeders
	'Morgan' is most similar to 'CDC Kestrel'; however, the flag leaf of 'Morgan' is not twisted; whereas, 'CDC Kestrel' has a twisted flag leaf. Also, 'Morgan' differs from 'CDC Kestrel' in seed shape (oval vs. ovate, respectively). In addition, 'Morgan' has a medium length kernel brush; whereas, the kernel brush length of 'CDC Kestrel' is long.				
9800102	Pocahontas	Y	(2)	01/31/2000	Virginia Agricultural Experiment Station
	'Pocahontas' is most similar to 'Saluda'; however, 'Pocahontas' is resistant to stem rust ( <u>Puccinia graminis</u> ) races QFBS and RKQS, whereas 'Saluda' is susceptible to races QFBS and RKQS of stem rust.				
9800145	Kaskaskia	Y	(2)	03/31/2000	The Board of Trustees of the University of Illinois
	'Kaskaskia' is most similar to 'Howell'; however, 'Kaskaskia' has a unique length-wise flag leaf twist and curl pattern, whereas the flag leaf twist pattern is normal in 'Howell'.				
9800253	Forge	Y	(3)	02/29/2000	South Dakota Agricultural Experiment Station
	'Forge' is most similar to 'Butte B6' and 'Sharp'; however, 'Forge' has different PAGE protein banding patterns reflecting different high molecular-weight genetic markers possessed by 'Forge' compared to 'Butte B6' and 'Sharp'.				

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<b>WHEAT, COMMON (continued)</b>					
9800360	Saxon	Y	(3)	03/31/2000	United Grain Growers Limited and Agripro Seeds, Inc.
'Saxon' is most similar to 'Nordic'; however, 'Saxon' differs from 'Nordic' in seed cheek shape (angular vs. rounded, respectively). Also, 'Saxon' differs from 'Nordic' in stature of the flag leaf at boot stage (recurved vs. erect, respectively).					
9800361	Ivan	Y	(3)	01/31/2000	HybriTech Seed International, A Unit of Monsanto
'Ivan' is most similar to 'Verde'; however, 'Ivan' differs from 'Verde' in glume shoulder shape (square vs. elevated, respectively). In addition, 'Ivan' has a shallow seed crease, whereas the seed crease depth of 'Verde' is mid-deep. Also, 'Ivan' differs from 'Verde' in length of brush hairs on the tip of the seed (long vs. medium, respectively).					
9900171	HJ98	Y	(3)	02/29/2000	Minnesota Agricultural Experiment Station
'HJ98' is most similar to 'Verde'; however, 'HJ98' shows different PAGE electrophoresis banding patterns reflecting different gliadin genetic markers possessed by 'HJ98' compared to 'Verde'.					
9900231	Zeke	Y		03/31/2000	Western Plant Breeders
'Zeke' is most similar to 'Amidon'; however, 'Zeke' differs from 'Amidon' in plant height. Over a 3 year period, 'Zeke' was between 10 and 25 cm shorter than 'Amidon' at various Montana locations.					
9900232	Conan	Y		01/31/2000	Western Plant Breeders
'Conan' is most similar to 'WestBred 906R'; however, 'Conan' differs from 'WestBred 906R' in glume shoulder shape (square vs. elevated, respectively). Also, 'Conan' differs from 'WestBred 906R' in seed shape (elliptical vs. ovate, respectively). In addition, the seed of 'Conan' has a collared brush, whereas the brush of 'WestBred 906R' is non-collared.					
9900304	Thunderbolt	Y	(3)	02/29/2000	Monsanto Company
'Thunderbolt' is most similar to 'TAM 107'; however, 'Thunderbolt' differs from 'TAM 107' in plant color at boot stage (green - (RHS) Color Chart No. 137B vs. blue-green - (RHS) Color Chart No. 124A, respectively). Also, 'Thunderbolt' has a semi-erect juvenile growth habit; whereas, the juvenile growth habit of 'TAM 107' is prostrate.					

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<b>WHEAT, COMMON (continued)</b>					
9900305	Gibson	Y	(3)	02/29/2000	Monsanto Company
'Gibson' is most similar to 'Hancock'; however, 'Gibson' differs from 'Hancock' in plant color at boot stage (blue-green - Royal Horticultural Society (RHS) Colour Chart No. 122B vs. green - RHS Colour Chart No. 137B, respectively). In addition, the head of 'Gibson' is awnleted, whereas 'Hancock' has an awned head. Also, 'Gibson' has yellow anthers; whereas, the anther color of 'Hancock' is purple.					
9900323	Ontario	Y	(3)	03/31/2000	HybriTech U.S., a unit of Monsanto
'Ontario' is most similar to 'Hondo'; however, the plant color at boot stage of 'Ontario' is green (Royal Horticultural Society (RHS) Colour Chart No. 137A), whereas the plant color at boot of 'Hondo' is blue-green (RHS Colour Chart No. 122B). In addition, the shoulder shape of 'Ontario' is square, whereas 'Hondo' has an oblique shoulder.					
9900386	Caledonia	Y	(2)	03/31/2000	Cornell Research Foundation, Inc
'Caledonia' is most similar to '2737W'; however, 'Caledonia' can be distinguished from '2737W' using wms primers in PCR to amplify DNA fragments of 174 bp for 'Caledonia', and 209 bp for '2737W'.					
9900404	Culver	Y	(3)	02/29/2000	Board of Regents, University of Nebraska
'Culver' is most similar to 'Alliance' and 'Arapahoe'; however, 'Culver' is moderately resistant to leaf rust ( <u>Puccinia recondita</u> f. sp. <u>tritici</u> ) and contains the <u>Lr16</u> gene, whereas 'Alliance' does not contain the <u>Lr16</u> gene for leaf rust resistance and is susceptible to leaf rust. Also, 'Culver' differs from 'Alliance' in the presence of the <u>Sr6</u> and <u>Sr24</u> genes that confer resistance <u>Puccinia graminis</u> f. sp. <u>tritici</u> the causal pathogen for stem rust (present vs. absent, respectively). 'Culver' differs from 'Arapahoe' in resistance to the Great Plains (GP) biotype of Hessian fly ( <u>Mayetiola destructor</u> ); 'Culver' does not have the "Marquillo-Kawale" gene for resistance and is susceptible to the GP biotype of Hessian fly, whereas, 'Arapahoe' has the "Marquillo-Kawale" gene and is resistant to the GP biotype. Additionally, 'Culver' differs from 'Arapahoe' in leaf pubescence (absent vs. present, respectively).					

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of classes of certified seed permitted beyond breeder's seed.



CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
<b>WHEAT, DURUM</b>					
9800020	Mohawk	Y		03/31/2000	Western Plant Breeders
	'Mohawk' is most similar to the variety 'WestBred 881'; however, 'Mohawk' has black awns, whereas the awns of 'WestBred 881' are white.				
9800021	Tacna	Y		03/31/2000	Western Plant Breeders
	'Tacna' is most similar to the variety 'Kofa'; however, 'Tacna' has a hollow stem, whereas the stem of 'Kofa' is solid.				
9800221	Belzer	Y	(*)	01/31/2000	North Dakota State University Research Foundation
	'Belzer' is most similar to 'Ben'; however, 'Belzer' can be differentiated from 'Ben' by restriction fragment length polymorphism (RFLP) analysis using clones Fbb82 and BCD809. 'Belzer' shows a 4.8 kilobasepair DNA fragment not present in 'Ben', whereas 'Belzer' lacks a 3.9 kilobasepair fragment present in 'Ben'.				
9900209	Utopia	Y	(3)	03/31/2000	World Wide Wheat, L.L.C.
	'Utopia' is most similar to 'Mexicali 75'; however, 'Utopia' has black semi-deciduous awns, whereas the awns of 'Mexicali 75' are white and non-deciduous.				
9900265	Maier	Y	(*)	01/31/2000	North Dakota State University Research Foundation
	'Maier' is most similar to 'Ben'; however, 'Maier' can be differentiated from 'Ben' by restriction fragment length polymorphism (RFLP) analysis using clones ABG473 and WG583. 'Maier' shows a 8.2 kilobasepair DNA fragment not present in 'Ben'; whereas, 'Maier' lacks a 4.2 kilobasepair fragment present in 'Ben'.				
9900266	Mountrail	Y	(*)	01/31/2000	North Dakota State University Research Foundation
	'Mountrail' is most similar to 'Ben'; however, 'Mountrail' can be differentiated from 'Ben' by restriction fragment length polymorphism (RFLP) analysis using clones ABG473 and WG583. 'Maier' shows the 6.4, 4.8, and 3.6 kilobasepair DNA fragments not present in 'Ben', whereas 'Maier' lacks the 7.2, 5.9, and 4.6 kilobasepair fragments present in 'Ben'.				

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of classes of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
WHEAT DURAM (continued)					
9900306	Kari	Y	(3)	02/29/2000	Monsanto Company
'Kari' is most similar to 'Munich'; however, 'Kari' can be differentiated from 'Munich' by flag leaf carriage (erect vs. recurved, respectively). Also, 'Kari' differs from 'Munich' in flag leaf twist (twisted vs. non-twisted, respectively). In addition, 'Kari' has a long glume length, whereas the glume length of 'Munich' is short.					

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of classes of certified seed permitted beyond breeder's seed.

CERTIFICATES AMENDED  
JANUARY 1, 2000 TO MARCH 31, 2000

The following certificates have been amended in accordance with sections 97.103, 97.122, and 97.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
LETTUCE 8200027	E1 Toro		04/28/1983	Harris Moran Seed Company

Objective Description of variety changed from big vein resistant to big vein tolerant.

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(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of classes of certified seed permitted beyond breeder's seed.  
< > Identifies temporary designations.



# CERTIFICATES EXPIRED

JANUARY 1, 2000 TO MARCH 31, 2000

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
<b>ALFALFA</b>			
7600022	Atlas	03/11/2000	Lathrop & Gage L.C.
7900023	Magnum	01/14/2000	Dairyland Seed Company, Inc.
8000037	Answer	02/18/2000	Lathrop & Gage L.C.
8000038	Trident	03/11/2000	Lathrop & Gage L.C.
8200036	Baron	03/11/2000	Lathrop & Gage L.C.
<b>BEAN, FIELD</b>			
8100104	Midnight	03/11/2000	Cornell University Agricultural Experiment Station
<b>BEAN, GARDEN</b>			
7900038	Blue Duet	01/14/2000	Harris Moran Seed Company
8000123	Flo	02/18/2000	Seminis Vegetable Seeds, Inc.
<b>CLOVER, WHITE</b>			
8100173	Star	02/18/2000	Idaho Agricultural Experiment Station
<b>COTTON</b>			
7600042	Rilcot 90-A	03/11/2000	Rilcot Seed Company
<b>PEA</b>			
8100110	Early Sweet #9	03/11/2000	Novartis Seeds, Inc.
<b>RYEGRASS, PERENNIAL</b>			
7900050	Blazer	03/11/2000	Pickseed West, Inc.
7900051	Dasher	03/11/2000	Pickseed West, Inc.
7900052	Fiesta	03/11/2000	Pickseed West, Inc.
8000019	Bianca	03/11/2000	D.J. van der Have B.V.
8100018	Elka	02/18/2000	Cebeco Zaden B.V.

CERTIFICATES EXPIRED  
JANUARY 1, 2000 TO MARCH 31, 2000

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
SOYBEAN			
8100006	AP 350	02/18/2000	Advanta USA, Inc.
8100008	HS 235	02/18/2000	Advanta USA, Inc.
8100089	AP 55	02/18/2000	Novartis Seeds, Inc.
8100092	J-112	01/14/2000	The Lubrizol Corporation
8100149	Deltapine 506	01/14/2000	Delta and Pine Land Company
8100151	Deltapine 105	01/14/2000	Delta and Pine Land Company
8100152	SRF 101	01/14/2000	Soybean Research Foundation, Inc.
8100162	Pixie	03/11/2000	Ohio Agricultural Research and Development Center, Ohio State University
8100163	Sprite	03/11/2000	Ohio Agricultural Research and Development Center, Ohio State University
TOBACCO			
8100048	Coker 51	02/18/2000	Novartis Seeds, Inc.
WHEAT, COMMON			
8000106	812	02/18/2000	Novartis Seeds, Inc.
8000142	PL145	01/14/2000	Pioneer Hi-Bred International, Inc.
8000144	Southern Belle	01/14/2000	Agripro Seeds, Inc.
8000164	Augusta	01/14/2000	Michigan State University
8000165	Frankenmuth	01/14/2000	Michigan State University
8100004	PR2360	01/14/2000	Pioneer Hi-Bred International, Inc.
8100010	Tut	01/14/2000	Leo Linden Schrader
8100014	771	02/18/2000	Novartis Seeds, Inc.
8100073	Brawny	01/14/2000	Seed Research Division, Agrigenetics Corp.
8100074	Citation	01/14/2000	Seed Research Division, Agrigenetics Corp.
8100075	Encore	01/14/2000	Seed Research Division, Agrigenetics Corp.
8100144	Archer	01/14/2000	Agripro Seeds, Inc.
8100153	Duke	03/11/2000	Colorado State University
8100154	Sandy	03/11/2000	Colorado State University
8100169	Hawk	02/18/2000	Agripro Seeds, Inc.
8200006	835	03/11/2000	HybriTech Seed International, Inc.

## GENERAL INFORMATION ON PLANT VARIETY PROTECTION

The Plant Variety Protection Act provides protection (plant breeders' rights) for sexually (i.e., seed) and tuber reproduced plants. The variety must be distinct from all other varieties, uniform, and stable. If the variety has been sold or used in the United States for more than 1 year or in a foreign country for longer than 4 years, then the variety is ineligible for protection. Use of the variety includes selling or disposing of reproductive or harvested material of the variety or use as a parent in a first generation hybrid.

Please submit your complete application (completed and signed application form, Exhibits A,B,C, & E, seeds, and fees) to Plant Variety Protection Office before the period of eligibility expires. You may choose a representative to complete and receive all paperwork on your behalf. Costs are given in the Regulations and Rules of Practice (Section 97.175) and on the application form.

To obtain copies of application forms, the Plant Variety Protection Act and its Regulations and Rules of Practice, please send a request including the crop kind to: 10301 Baltimore Blvd., Room 500, Beltsville, MD 20705-2351.

Internet users now have access to the U.S. Department of Agriculture's Plant Variety Protection Act. The homepage provides up-to-date information on applications received by the Plant Variety Protection Office. To access the Plant Variety Protection homepage via the World Wide Web, point your browse server to:

<http://www.ams.usda.gov/science/pvp.htm>

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Beans, Peas, Lettuce, Sorghum, Tomatoes  
Corn, Peppers, Flowers and Ornamentals  
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